Automated Logic’s Equipment Portal (EQ-PRTL) sets a new standard for integrating other manufacturers’ equipment into WebCTRL®. EQ-PRTL is a powerful gateway to a single piece of equipment/device using proprietary or open protocols such as Modbus and LonWorks. Support for BACnet® over ARCNET 156 kbps and MS/TP communications are standard.

Key Features and Benefits

- Serves as an economical field gateway to a single piece of equipment/device utilizing an open or proprietary protocol. (Note: Maximum of 100 integration points per EQ-PRTL.)
- Optional Lon Plug-in Card eliminates need for Lon SLTA when integrating to Lon devices.
- Graphically programmable via EIKON®, EQ-PRTL is able to execute complex integration control strategies at the field level.
- Built-in support for Automated Logic’s line of backlit LCD display/keypad (BACview) provides the option of installing a local user interface for monitoring and control.
- Built-in support for Automated Logic’s line of RS room sensors provides the flexibility of remote room temperature sensing.
- Battery backed real-time clock ensures full continuity of operation in the event of power failures and communications failures.
- Non-volatile, battery-backed RAM stores application programs, trends and other data if power is lost.
- Flash memory makes for easy field upgrades over network.
- 16 bit microprocessor combined with ARCNET 156 kbps communications offers ample horsepower and speed for equipment integration requirements.
BACnet Support: Conforms to the BACnet Application Controller (B-AAC) Standard Device as defined in BACnet 135-2001 Annex L.

Communication: The following ports are available:
- BMS Port: EIA-485 port jumper configurable as ARCNET 156 kbps or MS/TP (9600 bps – 78.6 kbps)
- Equipment Port: EIA-232/EIA-485 software configurable
- Optional Lon Port for using LonWorks communications plug-in device
- Local Computer Access Port for startup and troubleshooting
- R-net Port for support of RS Sensors and BACview local interface

Microprocessor: High speed 16 bit microprocessor with two ARCNET communication co-processors.

Memory: 1M Byte non-volatile battery backed RAM, 1M Byte flash memory, 16 bit memory bus. (Shelf life of battery is 10 years with 10,000 hours of continuous operation).

Real-time Clock: Battery-backed real-time clock.

Status Indicators: Visual (LED) status of power, network communication, running, and errors.

Module Addressing: Rotary dip switches.

Protection: Built-in surge and transient protection circuitry - internal solid state Polyswitches on the incoming power and network connections.

Listings: FCC, UL, cUL, and CE.

Environmental Operating Range: -22° to 150°F (-30° to 65.5°C); 10 to 95% relative humidity, non-condensing.

Power Requirements: 24V-ac ± 15% (20.4V-ac to 27.6V-ac), 50 to 60Hz, 7.2VA power consumption (single Class 2 source only, 20VA or less)

Physical: Rugged GE C2950 Cycoloy plastic.

Weight: 9 oz.

Dimensions: 4" (width) by 5" (height) by 1.75" (LON option card mounts in a separate 3.5" x 3.25" snap track). 102mm (width) by 127mm (height) by 45.5mm (recommended panel depth, add 19mm for the option card).